



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 14, 2015

Michael Kellogg  
Regulatory Agent  
AgraCity Crops & Nutrition Inc.  
c/o Pyxis Regulatory Consulting, Inc.  
4110 136<sup>th</sup> St. N.W.  
Gig Harbor, WA 98332

Subject: Label and CSF Amendment – Update Product Labeling and Request New Source of Active Ingredient for the Basic Confidential Statement of Formula (CSF)  
Product Name: MPOWER Tebuconazole  
EPA Registration Number: 91097-8  
Application Date: May 4, 2015  
Decision Number: 505126

Dear Mr. Kellogg:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

The basic CSF referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 05/04/2015

Any CSFs other than those listed above are superseded/no longer valid. Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Marcel Howard by phone at (703)305-6784, or via email at [howard.marcel@epa.gov](mailto:howard.marcel@epa.gov).

Sincerely,



Hope Johnson, Product Manager 21  
Fungicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure: Stamped "Accepted" Product Label

# Mpower Tebuconazole

For control of specified diseases on various crops, golf course turf, field, nursery and container ornamentals and commercial and residential landscapes.

**ACTIVE INGREDIENT:**

Tebuconazole, alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol ..... 38.7%

**OTHER INGREDIENTS:** ..... 61.3%

**TOTAL:** ..... 100.0%

Contains 3.6 pounds tebuconazole per gallon

## KEEP OUT OF REACH OF CHILDREN

### CAUTION

FIRST AID	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN:</b> No specific antidote. Treat symptomatically. The compound does not cause any definite symptoms that would be diagnostic. Contact with the eyes may cause irritation.	

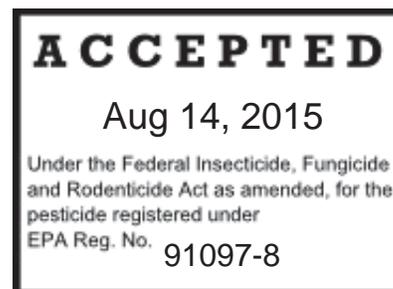
**[Optional language: See inside label booklet for First Aid, Precautionary Statements and Directions for Use including Storage and Disposal instructions.]**

EPA Reg. No. 91097-8

EPA Est. No.

**Manufactured For:**  
 AgraCity Crops & Nutrition Inc.  
 375 E. Horsetooth Rd.  
 Building 5, Suite 202  
 Fort Collins, CO 80525

**Net Contents:**



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves: barrier laminate or nitrile rubber ≥14 mils or neoprene rubber ≥14 mils or Viton ≥14 mils
- Shoes plus socks

**User Safety Requirements**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS STATEMENTS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to mammals, fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

**Ground Water Advisory:** Tebuconazole is known to leach through soil into ground under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

**Surface Water Advisory:** MPower Tebuconazole may contaminate water through drift of spray in wind. MPower Tebuconazole has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of MPower Tebuconazole will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). The REI for each crop is listed in the application directions associated with each crop.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves: barrier laminate or nitrile rubber  $\geq 14$  mils or neoprene rubber  $\geq 14$  mils or Viton  $\geq 14$  mils
- Shoes plus socks

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box only apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Golf Course Turf and Landscape Uses: Keep children and pets out of treated areas until sprays have dried.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store above 28°F or agitate before use.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

#### **CONTAINER HANDLING:**

##### **[NONREFILLABLE CONTAINERS]**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

(Nonrefillable container  $\leq 5$  gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(Nonrefillable  $> 5$  gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

##### **[REFILLABLE CONTAINERS]**

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## PRODUCT INFORMATION

Read the entire Directions for Use and Conditions of Sale before using this product.

### SHAKE WELL BEFORE USING

**Spray Volume:** MPower Tebuconazole may be applied in a minimum of 10 gallons of spray solution per acre by ground sprayer or in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage.

**Chemigation:** Apply MPower Tebuconazole through irrigation equipment only to crops and diseases for which the chemigation use is specified. Apply MPower Tebuconazole only through center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; or drip (trickle) irrigation systems. Do not apply MPower Tebuconazole through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. Pesticide may be applied continuously for the duration of the water application.

**Mixing:** Add specified amount of MPower Tebuconazole into the spray tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the spray tank, the MPower Tebuconazole should be thoroughly dispersed prior to the addition of other materials. Do not tank mix with products containing a prohibition against tank mixing. Follow the most restrictive labeling requirements of any tank mix product.

**Compatibility:** To determine the compatibility of MPower Tebuconazole with other products, the following procedure should be followed: Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five (5) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible. For further information, contact your local AgraCity Crops & Nutrition Inc. representative.

**Resistance Management Statement**

MPower Tebuconazole is a Group 3 fungicide which exhibits no known cross-resistance to other fungicide groups. However, fungal pathogens are known to develop resistance to products with the same mode of action when used repeatedly. Any fungal population may contain or develop individuals that are resistant to MPower Tebuconazole and other Group 3 fungicides. If Group 3 fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted diseases, the resistant isolates may eventually dominate the fungal population. Because resistance development cannot be predicted, the use of MPower Tebuconazole should conform to resistance management strategies established for the crop and use area. Such strategies may include rotation and/or tank mixing with products having different modes of action or limiting the total number of applications per season. Contact your local extension specialist, certified crop advisor, and/or manufacturer for fungicide resistance management and/or integrated disease management recommendations for specific crops and resistant disease populations. AgraCity Crops & Nutrition Inc. encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

## DISEASE CONTROL IN CROPS

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Asparagus	Rust ( <i>Puccinia</i> spp.)	4 to 6 fl. oz. per acre
	<p><b>Notes:</b> Apply MPower Tebuconazole as a foliar spray to the developing ferns after harvest of spears is completed. Apply at the earliest sign of rust pustules or when weather conditions are conducive for rust development. Apply 4 to 6 fl oz of MPower Tebuconazole per acre (0.11 lb ai - 0.17 lb ai per acre) in alternation with another effective fungicide. Under conditions of severe rust pressure, use the higher specified rate. Repeat applications on a 14-day interval as necessary to maintain control of rust.</p>	
<p><b>Comments:</b> Applications may be made using ground or aerial application equipment. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole is a sterol demethylation inhibitor (DMI) fungicide (Group 3). Alternating MPower Tebuconazole with other DMI fungicides may lead to resistance.</p> <p><b>RESTRICTIONS:</b>            A 50 foot spray drift buffer zone is required for all aerial applications.            Do not apply to harvestable spears.            Do not apply within 100 days of harvest in California and 180 days in all other states.            Do not make more than three foliar applications per season (18 fl oz/acre or 0.51 lb ai/acre).  <b>Restricted-entry interval (REI) = 12 hours.</b></p>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Barley	Rusts ( <i>Puccinia</i> spp.)	4 fl. oz. per acre
	Head blight ( <i>Fusarium</i> spp.) – Suppression	<p><b>Notes:</b> Apply MPower Tebuconazole in a minimum of 10 gallons of spray solution per acre by ground or in a minimum of 5 gallons of spray solution per acre by air. Barley fields should be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.</p> <p><b>Application timing directions:</b>  <b>Rusts:</b> Apply MPower Tebuconazole at the earliest sign of rust pustules on foliage.  <b>Fusarium head blight:</b> Optimal timing of MPower Tebuconazole for Fusarium head blight suppression is when main stem heads have fully emerged (Feekes 10.5) on 50% of the plants.</p>
<p><b>Comments:</b> For optimum disease control, the lowest specified rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on plant foliage for the active</p>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
<p>ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).</p> <p><b>RESTRICTIONS:</b>  A maximum of 4 fl. oz. of MPower Tebuconazole may be applied per acre per crop season.  Do not apply within 30 days of harvest.  Straw cut after harvest may be fed or used for bedding.  Grazing livestock or feeding of green forage is permitted 6 or more days after the last application of MPower Tebuconazole.  <b>Restricted-entry interval (REI) = 12 hours.</b></p>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Beans (fresh & dry except succulent shelled)	Rust ( <i>Uromyces appendiculatus</i> )	4 to 6 fl. oz. per acre
	<b>Notes:</b> Apply MPower Tebuconazole in a protective spray schedule or when weather conditions are favorable for rust development. Repeat applications at 14-day intervals, or as necessary to maintain control.	
<p><b>Comments:</b> For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on bean foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).</p> <p><b>RESTRICTIONS:</b>  Beans, fresh: MPower Tebuconazole may be applied up to 7 days before harvest. Do not apply more than 24 fl. oz. of MPower Tebuconazole per acre per crop season.  Beans, dry: MPower Tebuconazole may be applied up to 14 days before harvest. Do not apply more than 12 fl. oz. of MPower Tebuconazole per acre per crop season.  <b>Restricted-entry interval (REI) = 12 hours.</b></p>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Corn (sweet corn, field corn, field corn grown for seed, and popcorn)	Rust ( <i>Puccinia</i> spp.)  Northern leaf blight ( <i>Helminthosporium turcicum</i> )  Southern leaf blight ( <i>Helminthosporium maydis</i> )  Northern leaf spot ( <i>Helminthosporium carbonum</i> )  Gray leaf spot ( <i>Cercospora zea-maydis</i> )	4 to 6 fl. oz. per acre
	<b>Notes:</b> Apply MPower Tebuconazole in a protective spray schedule or when weather conditions are favorable for disease development. Repeat applications at 7- to 14-day intervals, or as necessary to maintain control.	

**Comments:** For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on corn foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).

**RESTRICTIONS:**

A maximum of 24 fl. oz. (1.5 pint) of MPower Tebuconazole may be applied per acre per crop season.  
Sweet corn: MPower Tebuconazole may be applied up to 7 days before the harvest of ears or forage, and 49 days before the harvest of fodder.

Field, seed or popcorn: MPower Tebuconazole may be applied up to 21 days before the harvest of forage, and 36 days before the harvest of grain or fodder.

**Restricted-entry interval (REI) for sweet corn** = 19 days.

**Restricted-entry interval (REI) for all corn except sweet corn** = 12 hours.

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Cotton	Southwestern cotton rust ( <i>Puccinia cacabata</i> )	6 to 8 fl. oz. per acre
	<b>Notes:</b> Apply MPower Tebuconazole in a protective spray schedule or when weather conditions are favorable for rust development. Repeat applications at 7- to 14-day intervals, or as necessary to maintain control.	

**Comments:** For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on cotton foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).

**RESTRICTIONS:**

MPower Tebuconazole may be applied up to 30 days before harvest.

Do not apply more than 24 fl. oz. of MPower Tebuconazole per acre per crop season.  
**Restricted-entry interval (REI) = 12 hours.**

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Cucurbit Vegetables Group: Chayote Chinese waxgourd Citron melon Cucumber Gherkin Edible gourd, (hyotan, cucuzza, hechima and Chinese okra) <i>Momordica</i> spp. (includes balsam apple, balsam pear, bitter melon and Chinese cucumber) Muskmelon (includes cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon and snake melon) Pumpkin Summer squash (crookneck squash, scallop squash, straightneck squash, vegetable marrow and zucchini) Winter squash (butternut squash, calabaza, hubbard squash, acorn squash and spaghetti squash) Watermelon	Powdery mildew ( <i>Sphaerotheca fuliginea</i> / <i>Podosphaera xanthii</i> ) ( <i>Erysiphe cichoracearum</i> )	4 to 6 fl. oz. per acre
	Gummy stem blight - suppression ( <i>Didymella bryonae</i> ) (watermelon, squash, pumpkin, and melons only)	8 fl. oz. per acre
<p><b>Notes:</b> Apply the specified dosage in a protective spray schedule to foliage and fruit. Repeat applications at 10- to 14-day intervals, or as necessary to maintain control.</p>		

**Comments:** For optimum disease control, the lowest specified rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).

**RESTRICTIONS:**

MPower Tebuconazole may be applied up to 7 days before harvest.  
 Do not apply more than 24 fl. oz. of MPower Tebuconazole per acre per crop season.  
**Restricted-entry interval (REI) = 12 hours.**

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Dry bulb onion Garlic, Great-headed (elephant) Garlic Welsh onion Shallot	White rot ( <i>Sclerotium cepivorum</i> )	20.5 fl oz per acre
	Rust ( <i>Puccinia allii</i> , <i>Puccinia porri</i> )	4 to 6 fl. oz. per acre

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
	Purple blotch ( <i>Alternaria porri</i> )	
	<p><b>Notes:</b></p> <p><b>White rot:</b> For the control of white rot, make one application in the furrow at the time of planting. The in-furrow application may be made at the rate of 20.5 fl. oz MPower Tebuconazole. Apply the entire per acre rate in a 4 to 6 inch band over/into each furrow. Additional control may be obtained by including two foliar applications at 4 to 6 fl oz/acre.</p> <p><b>Rust:</b> For the control of rust make foliar applications at the rate of 4 to 6 fl. oz MPower Tebuconazole per acre per application. Repeat at an interval of 10 to 14 days, or as necessary to maintain control.</p> <p>Apply MPower Tebuconazole in a protective spray schedule or when weather conditions are favorable for rust development.</p>	
<p><b>Comments:</b> For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. The lowest specified rate of a spray surfactant may be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. May be applied by chemigation to control white rot. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).</p> <p><b>RESTRICTIONS:</b></p> <p>Do not apply more than 32.5 fl. oz. MPower Tebuconazole per acre per season if an in-furrow treatment is made. If MPower Tebuconazole is not applied as an in-furrow treatment then do not apply more than 12 fl oz. MPower Tebuconazole per acre per season as a foliar spray.</p> <p>Do not apply within 7 days of harvest (PHI = 7 days).</p> <p><b>Restricted-entry interval (REI) = 12 hours.</b></p>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Fruiting Vegetables Group* Eggplant Groundcherry Pepino Pepper Tomatillo Tomato *Not registered for this use in California.	Early blight ( <i>Alternaria solani</i> )	8 fl. oz. per acre
	Notes: Apply MPower Tebuconazole as a foliar spray using an interval of 7 days.	
<p><b>Comments:</b> For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. The lowest recommended rate of a spray surfactant may be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).</p> <p><b>RESTRICTIONS:</b></p> <p>Do not apply more than 48 fl. oz. of MPower Tebuconazole per acre per season.</p> <p>Do not apply within 7 days of harvest (PHI = 7 days).</p> <p><b>Restricted-entry interval (REI) = 12 hours.</b></p>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Garden beet roots and tops (leaves)	Cercospora leaf spot ( <i>Cercospora beticola</i> )	3 to 7.2 fl. oz. per acre
	<b>Notes:</b> Make applications on a 14 day interval.	
<p><b>Comments:</b> For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. The lowest specified rate of a spray surfactant may be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).</p> <p><b>RESTRICTIONS:</b> Do not apply more than 28.8 fl. oz. MPower Tebuconazole per acre per season. Do not apply within 7 days of harvest (PHI = 7 days). <b>Restricted-entry interval (REI)</b> = 12 hours.</p>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Grasses Grown For Seed	Rusts ( <i>Puccinia</i> spp.)	4 to 8 fl. oz. per acre
	Apply the specified rate of MPower Tebuconazole as soon as weather conditions are favorable for rust development or when first rust pustules are present. Repeat applications at 14- to 16-day intervals. Under heavy disease pressure use 6 to 8 fl oz/A and shorter spray intervals.	
	Powdery mildew	4 to 8 fl. oz. per acre
	Apply specified rate of MPower Tebuconazole when powdery mildew first appears on the leaves. Repeat applications at 14- to 16-day intervals. Under heavy disease pressure use 6 to 8 fl oz/A and shorter spray intervals.	
<p><b>Comments:</b> Apply the specified rate in a minimum of 20 gallons of water per acre with ground sprayers or in a minimum of 10 gallons of water per acre with aircraft. Thorough coverage is important for optimum disease control.</p> <p>For optimum benefit, the lowest specified rate of a spray surfactant should be tank mixed with MPower Tebuconazole.</p> <p><b>RESTRICTIONS:</b> A maximum of 16 fluid ounces (1 pint) may be applied per acre per crop season. MPower Tebuconazole may be applied up to 4 days before harvest. Chaff, screenings and straw from treated areas may be used for feed purposes; however, do not forage, cut green crop, or use seed for feed purposes. Regrowth may be grazed starting 17 days after last application. <b>Restricted-entry interval (REI)</b> = 12 hours.</p>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Green onion Leek	White rot ( <i>Sclerotium cepivorum</i> ) suppression only	4 to 6 fl. oz. per acre

Spring onion Scallion Japanese bunching onion Green shallots Green eschalots	Rust ( <i>Puccinia allii</i> , <i>Puccinia porri</i> )  Purple blotch ( <i>Alternaria porri</i> )	
	<b>Notes:</b> For the control of diseases make foliar applications using an interval of 10 to 14 days. Apply MPower Tebuconazole in a protective spray schedule or when weather conditions are favorable for rust development.	
<b>Comments:</b> For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. The lowest specified rate of a spray surfactant may be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).		
<b>RESTRICTIONS:</b> Do not apply more than 24 fl. oz. MPower Tebuconazole per acre per season. Do not apply within 7 days of harvest (PHI = 7 days). <b>Restricted-entry interval (REI)</b> = 12 hours.		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Hops	Powdery mildew ( <i>Sphaerotheca humuli</i> / <i>Spharerotheca macularis</i> )	4 to 8 fl. oz. per acre
	<b>Notes:</b> Apply the specified dosage in a protective spray schedule to foliage. Repeat applications at 10- to 14-day intervals. Increase the spray volume and the application rate as vine growth increases during the season.	
<b>Comments:</b> For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).		
<b>RESTRICTIONS:</b> MPower Tebuconazole may be applied up to 14 days before harvest. Do not apply more than 32 fl. oz. of MPower Tebuconazole per acre per crop season. <b>Restricted-entry interval (REI)</b> = 12 hours.		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE

<b>Leafy Brassica Greens</b> Broccoli raab Chinese cabbage (bok choy) Collards Kale Mizuna Mustard greens Mustard spinach Rape greens Turnip greens	Cercospora leaf spot ( <i>Cercospora brassicicola</i> )  Powdery mildew ( <i>Erysiphe cruciferarum</i> )  Alternaria leaf spot ( <i>Alternaria brassicicola</i> )	3 to 4 fl. oz. per acre
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**Comments:** For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. The lowest specified rate of a spray surfactant may be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).

**RESTRICTIONS:**

Application to turnip greens is limited to East of the Rockies.  
 Do not apply more than 16 fl. oz. MPower Tebuconazole per acre per season.  
 Do not apply within 7 days of harvest (PHI = 7 days).  
 Do not apply more often than once every 10 days.  
**Restricted-entry interval (REI) = 12 hours.**

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Lychee	Anthracnose ( <i>Colletotrichum gloeosporioides</i> )	4 to 6 fl. oz. per acre
	<b>Notes:</b> Begin first application of MPower Tebuconazole as panicle emerges. Spray up to 6 fl. oz. per acre every 10 days thereafter for a total of 8 sprays. Apply specified dosage in a minimum of 50 gallons of spray solution per acre by ground only.	

**Comments:** For optimum disease control, the lowest specified rate of a non-ionic spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).

**RESTRICTIONS:**

Do not apply more than 48 fl. oz. of MPower Tebuconazole per acre per season.  
 MPower Tebuconazole can be applied up to and including the day of harvest (PHI = 0 days).  
**Restricted-entry interval (REI) = 2 days.**

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Okra	Cercospora leaf spot ( <i>Cercospora</i> spp.)	4 to 6 fl. oz. per acre

	<p><b>Notes:</b> Apply specified dosage of MPower Tebuconazole in a preventative spray program. Use the highest rate when disease conditions are favorable and in areas where high disease pressure is expected. Applications may be repeated at 14-day intervals in order to maintain control of the disease. Apply specified dosage as a foliar spray in a minimum of 20 gallons of spray solution per acre by ground or a minimum of 5 gallons of spray solution by air.</p>
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**Comments:** For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).

**RESTRICTIONS:**

Applications may be made no closer than 3 days before harvest.  
Do not apply more than 24 fl. oz. of MPower Tebuconazole per acre per season.

**Restricted-entry interval (REI) = 12 hours.**

<b>APPLICATION DIRECTIONS</b>		
<b>CROP</b>	<b>DISEASE</b>	<b>RATE OF MPOWER TEBUCONAZOLE</b>
Peanut	<p><b>SOILBORNE:</b> Sclerotium stem and pod rot (white mold, southern blight, southern stem rot) Rhizoctonia limb rot Rhizoctonia pod rot (Virginia and North Carolina only)</p> <p><b>FOLIAR:</b> Early leaf spot Late Leaf spot Leaf rust Web blotch (<i>Phoma</i>) Pepper spot (<i>Leptoshaerulina</i>)</p>	7.2 fl. oz. per acre
<p><b>FOUR-APPLICATION SPRAY PROGRAM:</b> Apply the specified rate in a preventative spray schedule. See table below for proper timing of applications. Applications of chlorothalonil should be made prior to and following applications of MPower Tebuconazole to discourage development of resistant strains of fungi. For optimum control of foliar diseases such as leaf rust, web blotch, and pepper spot, the lowest label specified rate of a spray surfactant should be tank-mixed with MPower Tebuconazole.</p> <p><b>LEAF SPOT ADVISORY SCHEDULE:</b> For control of soilborne diseases in an advisory schedule, apply MPower Tebuconazole in the first advisory spray in July and continue MPower Tebuconazole applications at 14-day intervals. Applications after August 15 should be tank mixed with chlorothalonil for resistance management purposes.</p>		

**DIRECTIONS:** For optimum control of the specified soilborne diseases, four consecutive applications of MPower Tebuconazole may be made at 14-day intervals.

MPower Tebuconazole is a sterol demethylation inhibitor (DMI) fungicide. Chlorothalonil may be tank mixed at the rate of 12 ounces of active ingredient with MPower Tebuconazole as a leaf spot resistance management strategy. A spray surfactant is not necessary when MPower Tebuconazole is tank mixed with chlorothalonil. Mixing or alternating MPower Tebuconazole with other DMI fungicides may lead to resistance.

MPOWER Tebuconazole must be carried by rainfall or irrigation into the root and pod zone for control of root and pod rots caused by *Sclerotium rolfsii* and *Rhizoctonia solani*. Drought conditions will decrease the effectiveness of MPOWER Tebuconazole against the root and pod rots.

Use MPOWER Tebuconazole in conjunction with cultural practices that are known to reduce the severity of soilborne diseases, such as proper crop rotation practices.

**RESTRICTIONS:**

A maximum of 28.8 fluid ounces of MPOWER Tebuconazole may be applied per crop season.

MPOWER Tebuconazole may be applied up to 14 days before harvest.

Do not feed hay or threshings or allow livestock to graze in treated areas.

**Restricted-entry interval (REI)** = 12 hours.

**Timing of MPOWER Tebuconazole Application for Optimum Control of White Mold and Rhizoctonia Limb and Pod Rot**

<b>Spray Program</b>	<b>MPOWER Tebuconazole Application No.</b>	<b>Chlorothalonil Application No.</b>
7 Applications	3,4,5 and 6	1,2 and 7

<b>APPLICATION DIRECTIONS</b>		
<b>CROP</b>	<b>DISEASE</b>	<b>RATE OF MPOWER TEBUCONAZOLE</b>
Pecan	Brown leaf spot ( <i>Sirosporium diffusium</i> )	4 to 8 fl. oz. per acre
	Downy spot ( <i>Mycosphaerella caryigena</i> )	
	Liver spot ( <i>Gnomonia caryae</i> )	
	Scab ( <i>Cladosporium caryigenum</i> )	
	Vein spot ( <i>Gnomonia nerviseda</i> )	
	Zonate leaf spot ( <i>Grovesinia pyramidalis</i> )	
<p><b>Notes:</b> Apply MPOWER Tebuconazole in a preventive spray schedule beginning at early bud break (young leaves unfolding), and continue applications at 10- to 14-day intervals through the pollination period. MPOWER Tebuconazole may be applied at 4 fl. oz. per acre in a tank-mix with the specified rate of Super-Tin® in cover sprays. Follow label directions for the use of SuperTin. Apply MPOWER Tebuconazole in a spray volume of 15 or more gallons per acre by air or 50 or more gallons per acre by ground. Apply 7 to 8 fl. oz. per acre of MPOWER Tebuconazole to full-size mature trees, and 4 to 6 fl. oz. per acre of MPOWER Tebuconazole to smaller trees. Apply the high rate to varieties that are highly susceptible to the indicated diseases, or when severe disease conditions exist. The lowest labeled rate of a surfactant may be added to the spray solution for optimum control of the indicated diseases.</p>		

**Comments:** For optimum disease control, the lowest specified rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

**RESTRICTIONS:**

Do not add a surfactant to the spray solution when tank-mixing MPower Tebuconazole with SuperTin.

Do not apply after shucks begin to split.

A maximum of 32 fl. oz. of MPower Tebuconazole may be applied per acre per crop season.

Do not cut cover crops in treated areas for feed or allow livestock to graze treated areas.

**Restricted-entry interval (REI)** = 12 hours.

APPLICATION DIRECTIONS		
CROP	DISEASE(S)	RATE OF MPOWER TEBUCONAZOLE
Soybean	Rust ( <i>Phakopsora pachyrhizi</i> ) Powdery Mildew ( <i>Microsphaera diffusa</i> )	3 to 4 fl. oz. per acre
<p><b>Use Directions:</b> Apply MPower Tebuconazole as a broadcast foliar spray as a preventative spray or at first visible symptoms of disease. Repeat applications on a 10- to 14-day spray interval if environmental conditions are favorable for continued disease development. Use the highest specified and shorter spray intervals when disease pressure is severe. The lowest labeled rate of spray surfactant must be tank-mixed with MPower Tebuconazole. Apply MPower Tebuconazole in a minimum of 10 gallons of spray solution per acre by ground sprayer or in a minimum of 5 gallons per acre by aircraft spray equipment.</p> <p><b>RESTRICTIONS:</b> Applications may not be made within 21 days of harvest. Do not apply more than 3 applications per season. Do not apply more than 12 fl. oz/a per use season.</p> <p><b>Restricted-entry interval (REI)</b> = 12 hours.</p>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Sunflower	Rust ( <i>Puccinia helianthi</i> )	4 to 6 fl. oz. per acre
	<p><b>Notes:</b> Apply specific dosage of MPower Tebuconazole at the earliest sign of infection (rust pustules developing) or when weather conditions are favorable for rust development. Apply higher specified rate to highly susceptible varieties and/or under severe disease conditions. Application may be repeated at 14 days if necessary to maintain control of the disease. Apply specified dosage in a minimum of 20 gallons of spray solution per acre by ground or a minimum of 5 gallons of spray solution by air.</p>	

**Comments:** For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. Contact your state Extension Service or AgraCity Crops & Nutrition Inc. representative for a list of approved surfactants. MPower Tebuconazole must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).

**RESTRICTIONS:**

Do not apply more than 16 fl. oz. of MPower Tebuconazole per acre per season or within 50 days of harvest.

**Restricted-entry interval (REI)** = 12 hours.

**Pre-harvest interval (PHI)** = 50 days

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Turnip (Application is limited to East of the Rockies)	Cercospora leaf spot ( <i>Cercospora brassicicola</i> )	4 to 7.2 fl. oz. per acre
	<b>Notes:</b> Apply the specified dosage in a protective spray schedule to foliage. Repeat applications at 12- to 14-day intervals.	
<p><b>Comments:</b> For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).</p> <p><b>RESTRICTIONS:</b>  MPower Tebuconazole may be applied up to 7 days before harvest.  Do not apply more than 28.8 fl. oz. of MPower Tebuconazole per acre per crop season.  <b>Restricted-entry interval (REI)</b> = 12 hours.</p>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF MPOWER TEBUCONAZOLE
Wheat	Rusts leaf, stem, and stripe ( <i>Puccinia</i> spp.)	4 fl. oz. per acre
	Head blight or scab ( <i>Fusarium</i> spp.) - Suppression	
<p><b>Notes:</b> Wheat fields should be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development. Apply MPower Tebuconazole in a minimum of 10 gallons of spray solution per acre by ground, or in a minimum of 5 gallons of spray solution per acre by air.</p> <p><b>Application timing directions:</b>  Rusts: Apply MPower Tebuconazole at the earliest sign of rust pustules on foliage.  Fusarium head blight: Optimal timing of MPower Tebuconazole for Fusarium head blight suppression is the beginning of flowering on main stem heads (Feekes 10.51).</p>		
<p><b>Comments:</b> For optimum disease control, the lowest specified rate of a spray surfactant should be tank-mixed with MPower Tebuconazole. MPower Tebuconazole must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, MPower Tebuconazole will be resistant to weathering. MPower Tebuconazole is a demethylation inhibitor (DMI) fungicide (Group 3).</p> <p><b>RESTRICTIONS:</b>  A maximum of 4 fl. oz. of MPower Tebuconazole may be applied per acre per crop season.  Do not apply within 30 days of harvest.  Straw may be fed or used for bedding.  Do not allow livestock to graze or feed green forage to livestock prior to 6 days after treatment with MPower Tebuconazole.  <b>Restricted-entry interval (REI)</b> = 12 hours.</p>		

**SEED TREATMENT - Corn** (Sweet Corn, Field Corn Grown For Seed, and Popcorn)

For control of soilborne and seedborne Fusarium and soilborne and seedborne head smut.

**Seed Bag Label Requirements**

The Federal Seed Act requires that containers containing treated seeds shall be labeled with the following statements:

- This seed has been treated with MPower Tebuconazole, a fungicide containing tebuconazole.
- Do not use treated seed for feed, food, or oil purposes.

The U.S. Environmental Protection Agency requires the following statements on containers containing seed treated with tebuconazole:

- Store treated seed away from food and feedstuffs.
- Do not allow children, pets or livestock to have access to treated seeds.
- Wear long pants, long-sleeved shirt and protective gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting.
- Dispose of all excess treated seed by burying seed away from bodies of water.
- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- Excess treated seed may be used for ethanol production if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.

**USE RESTRICTION:** When using formulations that do not contain dye, to comply with 40 CFR 153.155, all seed treated with an economic poison must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

DISEASE	RATE FI Oz/CWT	DIRECTIONS FOR USE
Soilborne and Seedborne  Fusarium	0.071	Apply as a seed treatment using standard slurry or mist-type seed treatment equipment. Uniform application of seed is necessary to ensure seed safety and best disease protection. Seed should be sound and well cured prior to treatment. Product should be diluted with sufficient water to ensure complete seed coverage. Consult a seed treatment specialist regarding slurry rates to use for the crop to be treated with MPower Tebuconazole. The length of control will vary depending on the rate used.
Soilborne and Seedborne  Head smut ( <i>Sphacelotheca reilana</i> )	0.27 – 0.54	

**OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES.**

Apply only during alternate years in fields adjacent to aquatic areas listed above.

Do not apply by ground or air within 100 feet of aquatic areas listed above.

Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.

Spray Drift Management: For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wing span or rotor diameter.

Use the largest droplet size consistent with pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment.

Spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

**ROTATIONAL CROPS**

Treated areas may be replanted with any crop specified on this label as soon as practical after last application. Any crop not specified on this label may be planted into treated areas 120 days after last application.

## DISEASE CONTROL IN GOLF COURSE TURF, FIELD, NURSERY AND CONTAINER ORNAMENTALS AND COMMERCIAL AND RESIDENTIAL LANDSCAPES

**Chemigation:** Do not apply this product through any type of irrigation system.

### OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES

- Do not apply within 100 feet of the aquatic areas listed above.
- Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetation filter strip.
- See Spray Drift Management section for further information.

### Spray Drift Management

Make ground application when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperatures.

Do not make ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

**Spray Volume:** For best results MPower Tebuconazole may be applied in 66-132 gallons of water per acre for turf using ground based equipment. For ornamentals, 50-300 gallons of finished spray per acre are recommended depending upon the equipment, plant species and plant growth stage at time of application. For the most effective results, equipment calibration should be checked regularly. When using lower spray volumes, be sure to maintain uniform application and full crop coverage so as to ensure effective control. Increase spray volume to ensure proper application, if required.

### Compatibility Test for Mix Components:

Before mixing components, always perform a compatibility jar test. For 66 gallons per acre spray volume, use 5 cups of water in a clear, clean mixing jar. For other spray volumes adjust accordingly. Only use water from the intended source at the source temperature. Add components in the sequence indicated below in Mixing Order using 3 teaspoons for each pound of dry product or 1 ½ teaspoon for each pint of liquid product of recommended label rate per acre. Always cap the jar and invert 10 cycles between component additions. When the components have all been added to the jar and fully mixed, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent and use the compatibility agent as directed on its label.

**Mixing:** Continuous agitation is required during mixing. When mixing this product and water, use the specified application rates as listed for each crop on this label. Before combining any other substances with the mixture, ensure that MPower Tebuconazole is completely dispersed in the mixture.

### Mixing Procedure:

1. Water. Add three-quarters of the required volume to a thoroughly clean sprayer tank.
2. Agitation. Start agitation and maintain constant agitation throughout mixing and application.
3. Inductor. If an inductor is used, rinse it thoroughly after each component has been added.
4. Products in PVA Bags. Place any product contained in water soluble PVA bags into the mixing tank. Wait until all water soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
5. Water Dispersible Products. Including dry flowables (DF), wettable powders (WP), suspension concentrates (SC) or suspo-emulsions (SE).
6. Water-soluble products.
7. Emulsifiable concentrates (such as oil concentrates when applicable).
8. Water soluble additives (such as AMS or UAN when applicable)

9. Remaining quantity of water.

## **DISEASE CONTROL IN GOLF COURSE TURF**

### **Turf Use Restrictions**

For use on golf course turf only.

Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (i.e., elementary, middle and high school), campgrounds, churches, and theme parks.

Not for residential use.

Not for use on turf being grown for sale or commercial use as sod.

Do not use clippings for animal feed.

Do not exceed 3.6 fl. oz. of MPower Tebuconazole per 1,000 sq ft per year.

Do not apply more than 6 applications per year.

### **Product Information**

For use on all golf turf applications of cool season and warm season grasses (such as Bentgrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustine grasses, and Zoysia) or their mixtures. MPower Tebuconazole is not phytotoxic to any of the above mentioned grasses when used in accordance with the label.

Note: Bermudagrass can be sensitive to MPower Tebuconazole under certain conditions. Do not apply consecutive applications during or just after dormancy break. Avoid applications when temperatures are expected to exceed 85 degrees F.

MPower Tebuconazole can be used for the prevention and control of the diseases mentioned in the table below. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Preventative treatments can be applied using 28 day intervals as indicated. When treating golf greens, always treat aprons and approaches. Spray uniformly over the area to be treated with properly calibrated equipment.

Apply the specified amount of MPower Tebuconazole in sufficient water for thorough coverage. A volume of 66-132 gallons per acre (1.5-3.0 gallons per 1,000 sq ft) is recommended. Apply using properly calibrated low volume, hand held, mechanical or motorized ground broadcast equipment. Application to small areas may be made with low-pressure handwand or backpack equipment. Maintain constant agitation during application.

Depending on the disease, MPower Tebuconazole should be watered into the crown and active root zone for best results. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. For best results use spray mixture the same day it is prepared.

## Golf Course Turf Disease Control

DISEASE	RATE of MPower Tebuconazole (Fl. oz/1000 Sq Ft)	NOTES
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> ) Copper Spot ( <i>Gloeocercospora sorghi</i> ) Powdery Mildew ( <i>Erysiphe graminis</i> ) Corticium Red Tread ( <i>Laetisaria fuciformis</i> ) Rusts ( <i>Puccinia</i> spp.) Brown Patch/Rhizoctonia Blight, Large Patch ( <i>Rhizoctonia solani</i> ) Brown Ring Patch ( <i>R. circinata</i> ) Anthracnose - Basal and Foliar ( <i>Colletotrichum cereal</i> ) Red Thread ( <i>Laetisaria fuciformis</i> ) Pink Patch ( <i>Limonomyces rosipellis</i> )	0.6	For prevention, begin applications when conditions are favorable for disease development.  <b>Restrictions:</b> Do not make two consecutive applications of MPower Tebuconazole. Alternate with another fungicide with a different mode of action. A second application may be made after 28 days.
Bermuda Grass decline ( <i>Gaeumannomyces graminis</i> var. <i>graminis</i> )	0.6	Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and root zone of the turf. The amount of water is dependent on the depth of root zone. For prevention, begin applications two or four weeks prior to the historical appearance of disease symptoms. Initiate cultural control practices at the same time the fungicide is applied. Refer to your local County Extension Service for this information. <b>Restrictions:</b> Apply subsequent application at 28 day intervals.
Take All Patch ( <i>Gaeumannomyces graminis</i> )	0.6	For prevention, apply in the fall when soil temperature reaches 55-65° F and again in the spring under similar soil temperature conditions. Applications in both fall and spring may be necessary. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Gray Leaf Spot ( <i>Pyricularia grisea</i> )	0.6	Apply when conditions are favorable for disease development at 28 day intervals.
Stipe Smut ( <i>Ustilago striiformis</i> )	0.6	Make a single application to historical disease areas in spring as grass growth begins.

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Spring Dead Spot ( <i>Leptosphaeria korrea</i> , <i>L. narmari</i> , <i>Ophiosphaerella herpotricha</i> , <i>Gaeumannomyces graminis</i> ) Necrotic Ring Spot ( <i>Leptosphaeria korrea</i> )	0.6	For prevention, apply in fall when soil temperatures reach 65° F and again in spring under similar soil temp conditions or after dormancy break. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Fusarium Patch ( <i>Fusarium roseum</i> )	0.6	Apply first application in mid-June or 28 days prior to time this blight normally becomes evident. <b>Restrictions:</b> Make applications at no less than 28 day intervals.
Summer Patch ( <i>Magnaporthe poae</i> )	0.6	Apply beginning in the spring. See local university recommendations for suggested timing. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone. <b>Restrictions:</b> Do not make two consecutive applications of MPower Tebuconazole. Alternate with another fungicide with a different mode of action. Second and third applications must be made at 28 day intervals.
Zoysia Patch, Large Patch of zoysia ( <i>Rhizoctonia solani</i> )	0.6	Make first application in early fall (mid-September to mid-October) prior to development of disease symptoms. A second application in early spring may be necessary in areas where disease pressure is known to be heavy.
Gray Snow Mold/Typhula Blight ( <i>Typhula incarnate</i> )  Pink Snow Mold/Microdochium Patch ( <i>Microdochium nivalis</i> )	0.6	Apply in the fall, before anticipated turf dormancy and before first snow cover. If turf breaks dormancy during winter months a second application may be made. It is recommended that MPower Tebuconazole be tank-mixed with other registered snow mold products for best season long results. <b>Restrictions:</b> Do not apply over a snow cover, or when turf is dormant.
<b>Restrictions:</b> Apply the specified amount of MPower Tebuconazole in 1.5 to 3.0 gallons of water per 1000 sq. ft. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. Do not use clippings for animal feed. Do not exceed 3.6 fl. oz. of MPower Tebuconazole per 1000 sq. ft. per year. Do not exceed 6 applications per year.		

**DISEASE CONTROL IN FIELD, NURSERY AND CONTAINER ORNAMENTALS AND COMMERCIAL and RESIDENTIAL LANDSCAPES**

**Ornamental Use Restrictions**

For use on ornamental plants only; not for use on woodlands or forest management.

Intended for use only by professional applicators.

Do not apply more than 10 fl. oz. per acre in a single application.

Do not apply more than 0.31 gallons (40 fl. oz.) of MPower Tebuconazole (equal to 1.13 lbs of tebuconazole) per acre per year.

Do not make more than 4 applications per year at highest rate.

Do not apply to bearing fruit trees or vegetables.

MPower Tebuconazole can be used in a preventative and curative disease control program for the listed plant types and disease in the table below. Optimum disease management is obtained when MPower Tebuconazole is used in conjunction with sound disease management practices.

Apply material with properly calibrated hand held, mechanical or motorized spray equipment. Begin applications when disease first appears and repeat at 14-21 day intervals during the growing season. Use the shortest interval when conditions are unusually favorable for the development of disease. For hand held, mechanical, or motorized applications, mix as directed below and apply as a full coverage spray to drip for the prevention and control of the diseases listed below. Choose a finished spray volume appropriate for the size of the plants and amount of foliage, which will provide thorough coverage throughout the canopy. Allow sprays to dry before overhead irrigation is applied.

Apply MPower Tebuconazole at rates of 4-10 fl. oz. per acre in 100 gallons of water. Spray volume may range from 50 up to 300 gallons of finished spray per acre depending upon equipment, plant species and plant growth stage at time of application.

**Note:** The “Directions for Use” of this product reflect the cumulative inputs from both historical field use and product testing programs. However, it is impossible to test this product on all species and cultivars. A preliminary trial is suggested on a small scale before a full treatment is applied to any plant type not shown on this label but found in a similar use site with a listed disease problem. Wait 5-7 days after treatment to evaluate results. This product is not recommended for use on African Violets, Begonias, Boston Fern, and Geraniums.

**Ornamentals Disease Control**

PLANTS	DISEASE	APPLICATION	
		To Prevent Diseases	To Treat Existing Disease
Roses	Black Spot Powdery Mildew Rust	Apply every 14-21 days during the growing season, starting when leaves first appear.  Apply at least 3 times per year, 14-21 days apart, beginning with Spring bud break. Rotation or Tank mixing with barrier protectant fungicides is recommended for resistance management.	Apply every 14 days for a total of 3 applications beginning at the first sign of disease.
Flowers	Leaf Spot Powdery Mildew Rust Southern Blight		
Crabapples (Ornamental), Dogwoods and Other Landscape (Ornamental) Trees	Anthrachnose Leaf Spot Powdery Mildew Rust Scab		
Azaleas, Camellias, Rhododendrons and Other Landscape (Ornamental) Shrubs	Anthrachnose Black Spot Leaf Spot Petal Blight Powdery Mildew Rust	Petal Blight – Apply 2-3 times per week into the flowers as they open and develop color.	
Ground Covers and Vines	Southern Blight		
<b>HOW MUCH TO USE FOR SMALL PLANTINGS: ADD 1 TEASPOON TO 2.5 GALLONS OF WATER.</b>			
<b>Restricted-entry interval (REI) = 12 hours</b>			

**Pump Style Sprayers**

1. Add the appropriate amounts of concentrate and water to the sprayer tank.
2. Close the sprayer, shake well and pressurize.
3. Adjust nozzle to a coarse spray pattern and apply.
4. Occasionally re-pressurize the sprayer if needed to maintain a good spray pattern.

### **CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. Use of this product by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

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#### **Warranty Disclaimer**

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AgraCity Crops & Nutrition, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. AgraCity Crops & Nutrition, Inc. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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#### **Inherent Risks of Use**

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It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of AgraCity Crops & Nutrition, Inc. or the seller. All such risks shall be assumed by buyer.

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#### **Limitation of Remedies**

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The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at AgraCity Crops & Nutrition, Inc. election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

To the extent consistent with applicable law, AgraCity Crops & Nutrition, Inc. shall not be liable for losses or damages resulting from handling or use of this product. In no case, to the extent consistent with applicable law, shall AgraCity Crops & Nutrition, Inc. be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of AgraCity Crops & Nutrition, Inc. or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

[EPA approval date]